

**Notice of Allowability**

Application No.

10/535,244

Examiner

Hien D. Vu

Applicant(s)

PILLET, MICHEL

Art Unit

2833

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to the communication on 1/19/07.
2. ☒ The allowed claim(s) is/are 1 and 7-10.
3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some\* c) ☐ None of the:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.  
**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO/SB/08),  
Paper No./Mail Date \_\_\_\_\_
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application
6. ☒ Interview Summary (PTO-413),  
Paper No./Mail Date 1/19/07.
7. ☒ Examiner's Amendment/Comment
8. ☐ Examiner's Statement of Reasons for Allowance
9. ☐ Other \_\_\_\_\_.



HIEN VU  
PRIMARY EXAMINER

### EXAMINER'S AMENDMENT

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Mr. James Lydon on 1/19/07.

The application has been amended as follows:

1. (Currently amended) A contact device for improving the conductance of an electrical connection consisting of two connectors in contact with one another comprising a conductive insert placed between the two contact surfaces of the two conductors of said connection, said conductive insert comprising an electrically conductive foam, with high deformability and porosity in order to reduce the resistance of the connection,

wherein said electrically conductive foam comprises ~~silver foam~~ a honeycomb structure which consists essentially of silver, and

wherein said electrical connection is adapted to conduct current greater than 1,000 A,

wherein conductive insert includes at least a peripheral seal creating a hermetic barrier against external damaging agents along a periphery of said conductive insert.

Claims 2-6 (Canceled)

7. (Previously presented) The device according to claim 1 in which said conductive insert is placed between said conductors whose contact surfaces are degraded.

8. (Currently amended) The device according to ~~claim 3~~ claim 1, in which said peripheral seal is made by depositing an elastomer sealing product along the periphery of said conductive insert.

9. (Currently amended) The device according to ~~claim 3~~ claim 1, in which said peripheral seal is made by at least a fold on an edge of said conductive insert.

10. (Currently amended) An electrical connection comprising  
two connectors, each having a contact surface,  
a contact device comprising a conductive insert placed between and in contact  
with the contact surfaces of the two conductors, said conductive insert comprising an  
electrically conductive foam with high deformability and porosity,  
wherein said electrically conductive foam comprises ~~silver foam~~ a honeycomb  
structure which consists essentially of silver, and

wherein said electrical connection is adapted to conduct an electrical current greater than 1,000 A<sub>i</sub>

wherein conductive insert includes at least a peripheral seal creating a hermetic barrier against external damaging agents along a periphery of said conductive insert.

11. (Canceled)

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Hien D. Vu whose telephone number is 571-272-2016. The examiner can normally be reached on 9-5.

HV  
1/19/07



HIEN VU  
PRIMARY EXAMINER